

EGYPTENE HD 5301 FB

High Density Polyethylene

Sidpec (Sidi Kerir Petrochemicals Co.)

Message:

HD 5301 FB is a high density polyethylene grade with a broad molecular weight distribution. This grade has been especially developed for the production of very thin film with high tensile strength and stiffness.

General Information			
Features	Low speed solidification crystal point		
	Rigidity, high		
	High density		
	High strength		
	Wide molecular weight distribution		
	Good stripping		
Uses	Films		
	Bags		
Agency Ratings	Europe No 10/2011		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm³	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.050	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Tensile Stress			ISO 1184
MD: Yield	32.0	MPa	ISO 1184
TD: Yield	29.0	MPa	ISO 1184
MD: Fracture	57.0	MPa	ISO 1184
TD: Fracture	65.0	MPa	ISO 1184
Tensile Elongation			ISO 1184
MD: Fracture	450	%	ISO 1184
TD: Fracture	400	%	ISO 1184
Dart Drop Impact	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	20	g	ASTM D1922
TD : 25 µm	28	g	ASTM D1922
Additional Information			

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